

## CLAIMS

1. A fungicidal emulsion comprising tea tree oil and a water emulsion wherein the emulsifier is a water solution of a reaction product of a high molecular weight organic fatty acid and an alkali or ammonium compound.
2. The emulsion according to claim 1, additionally comprising etheric oil.
3. The emulsion according to claim 2, wherein additional etheric oil is selected among lavender oil, pine oil, manuka oil, kanuca oil, eucalyptus oil, bergamot oil, clove oil, lemon oil, lemon grass oil, rosemary oil, geranium oil.
4. The emulsion according to any of claims 1 –3, wherein the concentration of the tea tree oil is between 0.01% up to 10%.
5. The emulsion according to claim 4, wherein the concentration of the tea tree oil is between 0.1% to 1.5%.
6. The emulsion according to claims 4 or 5, wherein the concentration of the tea tree oil is between 0.1% to 1.5%, wherein the concentration of the product is 0.1% to 1% and further wherein the remainder being water.
7. The emulsion according to any of claims 1 to 6, wherein the alkali and ammonium compounds are selected among sodium, potassium and/or ammonium hydroxides, carbonates, bicarbonates or any mixture thereof.
8. The emulsion according to any of claims 2 to 7, wherein the concentration of the additional etheric oils is between 0.01% to 5%.
9. The emulsion according to any of claims 1 to 8, wherein the acid is selected among;
  - a. tall oil acids, naftenic acids, rosin acids and any mixture thereof,

- b. saturated fatty acid selected among lauric acid, myristic acid, palmitic acid, stearic acid, arachidonic acid, behenic acid, lignoceric acid or any mixture thereof; and,
  - c. unsaturated fatty acids selected among decenoic acid, dodecenoic acid, palmitoleic acid, oleic acid, linoleic acid, undecylenic acid, sorbic acid, ricinoleic acid or any mixture thereof.
10. The emulsion according to claim 1, substantially as herein described with reference to the examples.